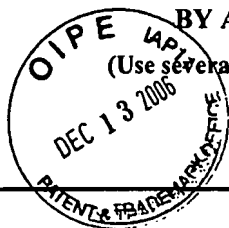


Form PTO-1449 U.S. Department of Commerce (REV. 2-82) Patent and Trademark Office	Atty. Docket No. 070050.2891	Serial No. 10/789,308
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Applicant Jessell et al.	
(Use several sheets if necessary)	Filing Date February 26, 2004	Group 1647
	Examiner Gamett, Daniel C.	



U.S. PATENT DOCUMENTS								
*Exam. Initial.	No.	Document No.	Date	Name	Class	Subclass	Filing Date if Approximate.	
/DG/		7,115,653	October 3, 2006	Baxter et al.				
		20050203014	September 15, 2005	Rubin				
		20050080138	April 14, 2005	Guicherit et al.				
		2005001980	January 27, 2005	Rubin et al.				
		20050014796	January 20, 2005	Baxter et al.				
		20050266555	December 1, 2005	Lu et al.				
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		6,683,108	January 27, 2004	Baxter et al.				
		6,683,192	January 27, 2004	Baxter et al.				
		6,552,016	September 2, 2003	Baxter et al.				
		6,613,798	September 2, 2003	Porter et al.				

NY02:567908.1

Examiner

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/789,308
Filing Date	02/26/04
First Named Inventor	Thomas M. Jessell
Art Unit	1636
Examiner Name	to be assigned
Attorney Docket Number	5199-152

Sheet	1	of	25
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/DG/		Abbondanzo et al., Derivation of embryonic stem cell lines.	
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		Dev. Biol., 168: 342-357, 1995	

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/DG/		Bak et al., The Hedgehog signaling pathway – implications for drug targets in cancer and neurodegenerative disorders.	
		Pharmacogenomics, 4(4): 411-429, 2003 (N/A)	
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/DG/		Blumberg et al., An essential role for retinoid signaling in anteroposterior neural patterning.	
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↓		Cell, 101: 435-445, 2000	

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/DG/		Byrd et al., Hedgehog is required for murine yolk sac angiogenesis.	
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		Chambon, P., The retinoid signaling pathway: molecular and genetic analysis.	
↓		Semin. Cell Biol., 5(2): 115-125, 1994	

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/DG/		Chiang et al., Cyclopia and defective axial patterning in mice lacking Sonic hedgehog gene function.	
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/DG/		Ericson et al., Pax6 controls progenitor cell identity and neuronal fate in response to graded SHh signaling.	
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/DG/		Giles et al., Caught up in a Wnt storm: Wnt signaling in cancer.	
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		Goodwin and D'Amore, Wnt signaling in the vasculature.	
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↓		Brain Res., 132: 197-208, 1977	

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/DG/		Hsieh et al., Biochemical characterization of Wnt-frizzled interactions using a soluble, biologically active vertebrate Wnt protein.	
		Proc. Natl. Acad. Sci. USA, 96: 3546-3551, 1999	
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↓		Nat. Rev. Genet., 1: 20-29, 2000	

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		Art Unit	1636
		Examiner Name	to be assigned
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NON PATENT LITERATURE DOCUMENTS			
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/DG/		Kalderon, D., Hedgehog signaling: Costal-2 bridges the transduction gap.	
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		Art Unit	1636
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/DG/		Lauta, V. M., A review of the cytokine network in multiple myeloma: diagnostic, prognostic, and therapeutic implications.	
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**INFORMATION DISCLOSURE
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/DG/		Malbon et al., Wnt signaling and heterotrimeric G-proteins: strange bedfellows or a classic romance?	
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/DG/		Miyazono et al., Divergence and convergence of TGF-beta/BMP signaling.	
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/DG/		Muhr et al., Convergent inductive signals specify midbrain, hindbrain, and spinal cord identity in gastrula stage chick embryos.	
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/DG/		O'Brien et al., Development and survival of thoracic motoneurons and hindlimb musculature following transplantation of the thoracic neural tube	
		to the lumbar region in the chick embryo: anatomical aspects.	
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/DG/		Pevny et al., Generation of purified neural precursors from embryonic stem cells by lineage selection.	
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/DG/		Raju et al., SANE, a novel leu domain protein, regulates bone morphogenetic protein signaling through interaction with smad1.	
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↓		Am. J. Hum. Genet., 64: 691-697, 1999	

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/DG/		Roelink et al., Floor plate and motor neuron induction by different concentrations of the amino-terminal cleavage product of sonic hedgehog	
		autoproteolysis.	
		Cell, 81: 445-455, 1995	
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		Sharma et al., Genetic and epigenetic mechanisms contribute to motor neuron pathfinding.	
		Nature, 406: 515-519, 2000	

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↓		Nature, 414:112-117, 2001	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete if Known	
		Application Number	10/789,308
		Filing Date	02/26/04
		First Named Inventor	Thomas M. Jessell
		Art Unit	1636
		Examiner Name	to be assigned
Sheet 20 of 25	Attorney Docket Number	5199-152	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/DG/		Terada et al., Bone marrow cells adopt the phenotype of other cells by spontaneous cell fusion.	
		Nature, 416: 542-545, 2002	
		Thaler et al., Active suppression of interneuron programs within developing motor neurons revealed by analysis of homeodomain factor HB9.	
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		mechanism.	
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		Cell, 79: 957-970, 1994	

Examiner Signature	/Daniel Gamett/ (05/08/2007)	Date Considered	
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/789,308
Filing Date	02/26/04
First Named Inventor	Thomas M. Jessell
Art Unit	1636
Examiner Name	to be assigned
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Sheet 21 of 25

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/DG/		Uchida et al., Direct isolation of human central nervous system stem cells.	
		Proc. Natl. Acad. Sci. USA, 97: 14720-14725, 2000	
		Vallstedt et al., Different levels of repressor activity assign redundant and specific roles to NKx6 genes in motor neuron and interneuron specification.	
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		Van Es et al., You Wnt some, you lose some: oncogenes in the Wnt signaling pathway.	
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		Veeman et al., A second canon: functions and mechanisms of beta-catenin-independent Wnt signaling.	
✓		Dev. Cell 5(3): 367-377, 2003	

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Sheet 22 of 25	Attorney Docket Number	5199-152	

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/DG/		Waxman and Bennett, Relative conduction velocities of small myelinated and nonmyelinated fibres in the central nervous system.	
		Nature New Biol., 238:217, 1972	
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		Birth Defects Res. Part C Embryo Today, 69(2): 156-173, 2003	
		Wetmore, C., Sonic hedgehog in normal and neoplastic proliferation: insight gained from human tumors and animal models.	
		Curr. Opin. Genet. Dev., 13(1): 34-42, 2003	
		Wilson et al., Neural induction: toward a unifying mechanism.	
		Nat. Neurosci., 4th Suppl.: 1161-1168, 2001	
		Wilson et al., An early requirement for FGF signaling in the acquisition of neural cell fate in the chick embryo.	
		Curr. Biol., 10: 421- 429, 2000	

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/DG/		Wilson et al., The status of Wnt signaling regulates neural and epidermal fates in the chick embryo.	
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		Wodarz and Nusse, Mechanisms of Wnt signaling in development.	
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		Mech. Dev., 86: 197-201, 1999	
		Wrana, J., Regulation of Smad activity.	
		Cell, 100: 189-192, 2000	
		Xian et al., Peering into early neurogenesis with embryonic stem cells.	
↓		Trends Neurosci., 24: 685-686, 2001	

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/DG/		Yamada et al., Control of cell pattern in the developing nervous system: polarizing activity of the floor plate and notochord.	
		Cell, 64: 635-647, 1991	
		Yamaguchi et al., XIAP, a cellular member of the inhibitor of apoptosis protein family, links the receptors to TAB1-TAK1 in the BMP signaling pathway.	
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		Yu et al., Platelet-derived growth factor signaling and human cancer.	
		J. Biochem. Mol. Biol., 36(1): 49-59, 2003	
		Zhang et al., In vitro differentiation of transplantable neural precursors from human embryonic stem cells.	
↓		Nat. Biotechnol., 19: 1129-1133, 2001	

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/DG/		Zhou et al., The bHLH transcription factors OLIG2 and OLIG1 couple neuronal and glial subtype specification.	
/DG/		Cell, 109: 61-73, 2002	

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/Daniel Gamett/ (05/08/2007)

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